

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A sensor comprising:
a substrate including a first surface and a second opposite surface;
and
at least one a first element imprinted on the first surfaces, the first element including first electroconductive material and being visually indiscernible from proximate portions of the first surface; and the substrate wherein the imprinted element is visually indiscernible from the substrate, the element containing at least one electroconductive material and having an active region configured in at least one of conductive mode, inductive mode and capacitive mode; and
a second element imprinted on the second surface, the second element including a second electroconductive material and being visually indiscernible from proximate portions of the second surface.
2. (Cancelled)
3. (Currently Amended) The sensor of claim 2 1 wherein the respective imprinted first and second elements on opposed surfaces are in overlapping contact when the opposed first and second surfaces are in overlying contact to one another.
4. (Currently Amended) The sensor of claim 2 1 wherein the respective imprinted first and second elements on opposed surfaces are in offset contact when the opposed first and second surfaces are in overlying contact with one another.
5. (Currently Amended) The sensor of claim 1, wherein the imprinted first and second elements is are transparent.
6. (Currently Amended) The sensor of claim 1 wherein the imprinted first and second elements is are translucent.

7. (Original) The sensor of claim 1 further comprising:
at least one lead in electronic communication with at least one of a power source and a logic circuit; and
at least one lead in electronic communication with a power consuming device that is powered by the power source.

8. (Currently Amended) The sensor of claim 7 wherein the ~~substrate comprises at least first and second surfaces, the first and second surfaces are moveable relative to one another, wherein a first element is located on the first surface and a second element is located on the second surface.~~

9. (Cancelled)

10. (Cancelled)

11. (Original) The sensor of claim 7 wherein the lead in communication with the power source is imprinted on the substrate and contains electroconductive material.

12. (Original) The sensor of claim 7 wherein the lead in communication with the power consuming device is imprinted on the substrate and contains electroconductive material.

13. (Original) The sensor of claim 7 further comprising a switch, the switch associated with and controlled by the logic circuit.

14. (Currently Amended) A sensor imprimably positioned on a substrate, the sensor comprising:

a first element containing electroconductive material;
a second element ~~matingly contactable~~ selectively movable into and out of contact with the first element;
at least one power source in electrical communication with one of the first and second elements; and

at least one power consuming source device in electrical communication with the other of the first and second elements, wherein the power source and power consuming source device are in electrical communication when the first and second elements are in contact with one another and wherein the electrochemical electroconductive material in ~~at least one of the first and second~~ elements is visually indiscernible from the substrate.

15. (Original) The sensor of claim 14 further comprising a logic and sensing circuit, wherein the first and second elements are in communication with the logic and sensing circuit in a manner which detects contact between the first and second elements.

16. (Original) The sensor of claim 15 further comprising a switch associated with the logic and sensing circuit.

17. (Original) The sensor of claim 15 wherein the first and second elements are positioned on the substrate such that the first and second elements are in opposed contact with one another.

18. (Original) The sensor of claim 15 wherein the first and second elements are positioned on the substrate such that the first and second elements are in offset contact with one another.

19. (Original) The sensor of claim 14 wherein the electroconductive material in at least one of the first and second elements is transparent.

20. (Original) The sensor of claim 14 wherein the electroconductive material in at least one of the first and second elements is translucent.

21. (Original) A device having at least two surfaces in moveable relationship to one another, the device comprising:

a first substrate associated with a first surface having an outwardly oriented surface;

a second substrate associated with a second surface having an outwardly oriented surface in removable overlying relationship to the first surface;

at least one electrically active element imprinted on at least one of the first and second substrates, the electrically active element having at least one region of electroconductive material, wherein at least a portion of the region of electroconductive material is visually indiscernible relative to the associated substrate.

22. (Currently Amended) The device of claim 21 wherein the at least one electrically active element includes a first element imprinted on the first substrate and a second element imprinted on the second substrate, wherein the first element and the second element are device includes at least two electrically active elements, the electrically active element being electroconductive elements in removable contact with one another and wherein the first element is visually indiscernible relative to the first substrate and the second element is visually indiscernible relative to the second substrate.

23. (Currently Amended) The device of claim 22 further comprising logic and sensing circuitry in electronic communication with the first and second electrically active elements, the sensing circuitry configured to sense or detect at least one of electroconductive element proximity, electroconductive element contact, electroconductive element movement, electroconductive contact acceleration, and electroconductive contact velocity.

24. (Original) The device of claim 21 wherein the electroconductive element is at least one of a capacitor, a conductor, and an inductive circuit.

25. (Original) The device of claim 21 further comprising a power source and at least one lead connected to the power source and the electrical element imprinted on the surface of the substrate.

26. (Original) The device of claim 25 wherein the power source is located in one of the substrates.

27. (Original) The device of claim 25 further comprising at least one logic and sensing circuit and at least one switch in electronic communication with the power source and the electrically active element, the logic and sensing circuit adapted to sense or detect at least one of electroconductive element proximity, electroconductive element contact, electroconductive element movement, electroconductive contact acceleration, and electroconductive contact velocity.

28. (Original) The device of claim 22 wherein the electroconductive elements are in opposed removable contact with one another.

29. (Original) The device of claim 22 wherein the electroconductive elements are in offset removable contact with one another.

30. (Original) The device of claim 21 wherein the electroconductive element is at least one of a capacitor, a conductor and an inductive circuit.

31. (Original) The device of claim 30 wherein the electroconductive element is in electronic communication with logic and sensing circuitry.

32. (Original) The device of claim 31 further comprising a power source and at least one lead connected to the power source and the electrical element imprinted on the surface of the substrate.

33. (Original) The device of claim 32 wherein the power source is located in one of the substrates.

34. (Original) The device of claim 31 wherein the electroconductive region comprises an electroconductive ink.

35. (Original) The device of claim 34 wherein the electroconductive ink is transparent.

36. (Original) The device of claim 34 wherein the electroconductive ink is translucent.

37. (Original) The device of claim 32 further comprising at least one power source, the power source in communication with the electrically active element.

38. (Currently Amended) The device of claim 32 wherein at least one of the first substrate and the second substrate is composed of a flexible nonconductive material including at least one of paper, plastic, and woven fabric.

39. (Original) The device of claim 32 wherein the first and second substrates are integrated into a codex.

40. (Currently Amended) The device of claim 32 wherein the first and second substrates are integrated into a flexible sheet having at least one fold region between the first and second substrates.

41. (Currently Amended) The device of claim 32 further comprising:
electro-luminescent features; and
a control mechanism for interactively illuminating selected electroconductive ink in a predetermined manner the electro-luminescent features.

42. (Original) The device of claim 41 wherein the illumination control mechanism comprises a device for storing and retrieving preprogrammed logic.

43. (Currently Amended) A sensor comprising:
at least one element containing at least one electroconductive material and at least one active region configured in at least one of conductive mode, inductive mode and capacitative capacitive mode; and
means for supporting the element, wherein the element is visually indiscernible from the support means.

44. (Cancelled)

45. (New) The sensor of claim 1 wherein the active region is configured in an inductive mode.

46. (New) The sensor of claim 1 wherein the active region is configured in a capacitive mode.

47. (New) The sensor of claim 1 wherein the substrate comprises:
a first panel providing one of the two opposed surfaces; and
a second panel providing the other of the two opposed surfaces,
wherein the first panel and the second panel are pivotally coupled to one another.

48. (New) The sensor of claim 47 further comprising at least one of an alphanumeric symbol and a graphic imprinted upon the first panel.

49. (New) The sensor of claim 47 wherein the first panel and the second panel are joined by a fold.

50. (New) The sensor of claim 1, wherein the substrate is opaque.

51. (New) A sensor comprising:
a substrate; and
at least one element imprinted on the substrate, wherein the element is visually indiscernible from the substrate, the element containing at least one electroconductive material and having an active region configured in an inductive mode.

52. (New) A sensor comprising:
a substrate; and
at least one element imprinted on the substrate, wherein the element is visually indiscernible from the substrate, the element containing at least one electroconductive material and having an active region configured in an capacitive mode.